ELECTRICALLY CONDUCTIVE CONJUGATE FIBER

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Abstract of **JP3249212**

PURPOSE:To obtain the subject fiber having excellent electrical conductivity and whiteness by bonding an electrically conductive layer composed of a specific conductive particle and a thermoplastic polymer to a protecting layer composed of a fiber-forming polymer. CONSTITUTION:The objective fiber is composed of (A) an electrically conductive layer composed of (a) electrically conductive particles containing an inorganic compound as a nucleus covered with a metallic layer and having a coating layer of an electrically conductive metallic compound on the surface and (b) a thermoplastic polymer (preferably polyolefin, polyamide, polyester, etc., having a crystallinity of >=70%) and (B) a protecting layer composed of a fiber-forming polymer and bonded to the layer A. The metallic compound to form the coating film is preferably tin oxide, zinc oxide, indium oxide, copper iodide, etc.
